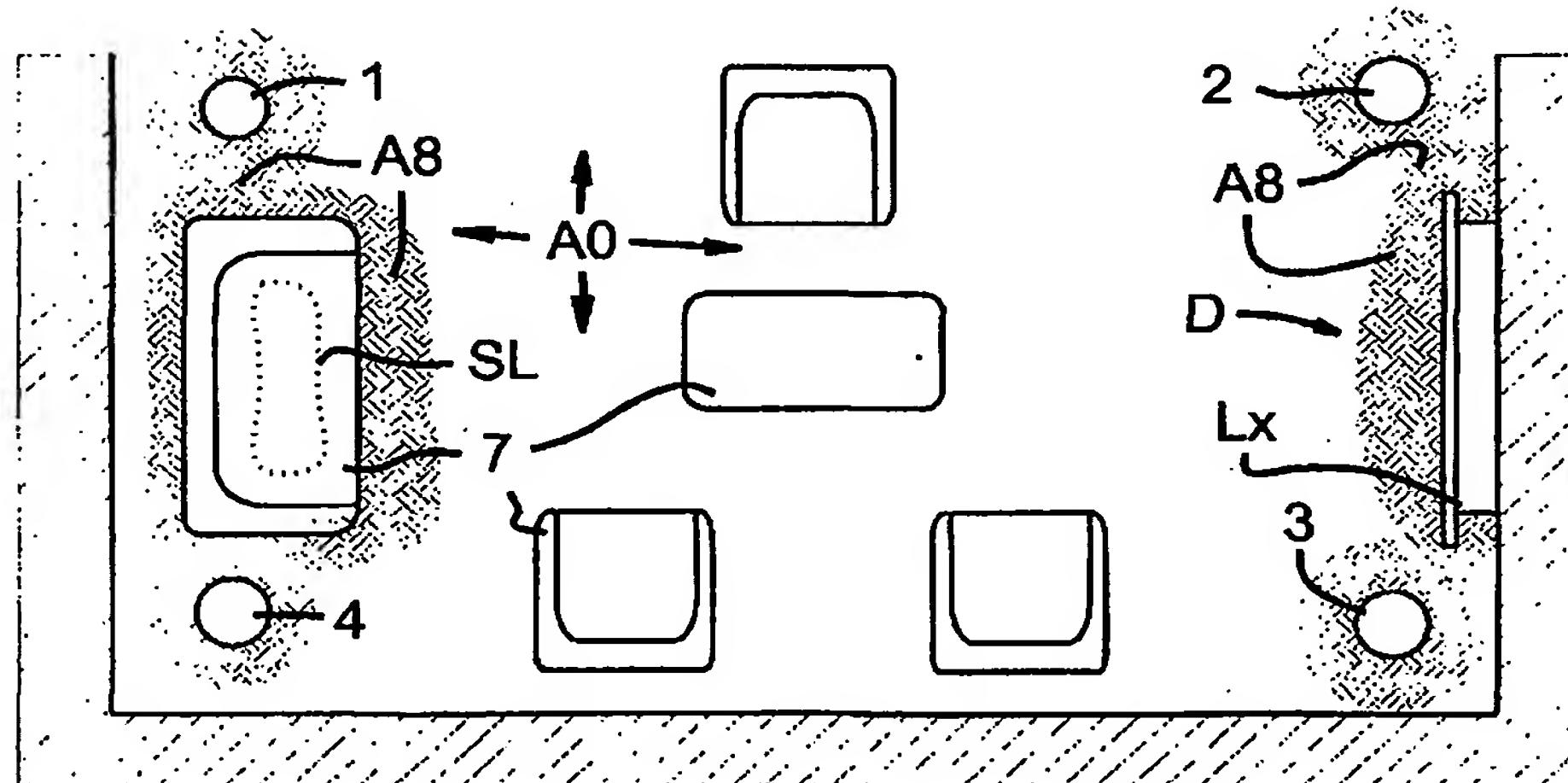
*Fig. 1**Fig. 2*

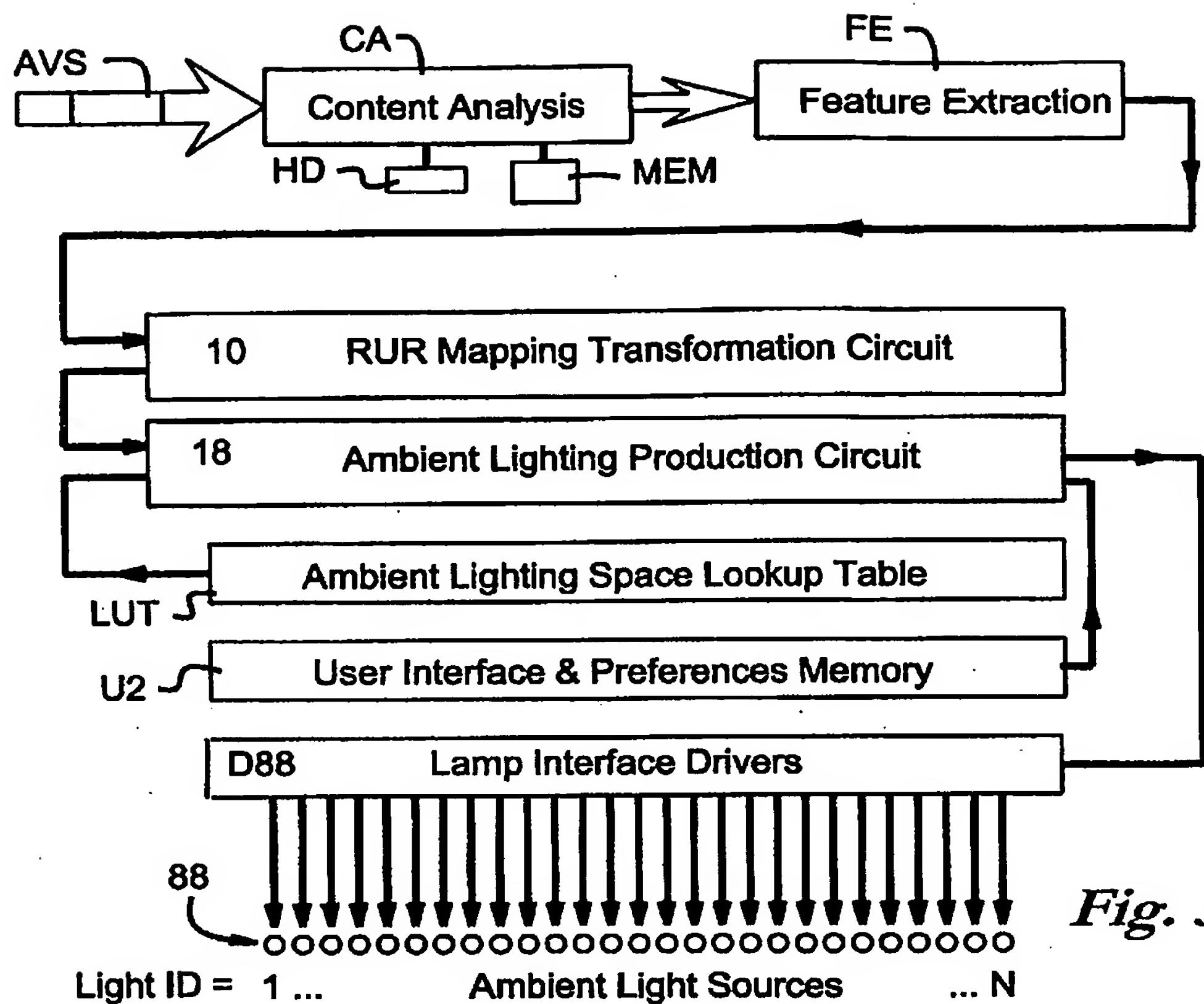


Fig. 3

$$\begin{aligned}
 R_{avg} &= \frac{\sum_{i=1}^{n,m} R_{ij}}{n \times m} & - \text{Prior Art} - \\
 & \left[ \begin{matrix} X \\ Y \\ Z \end{matrix} \right] = \left[ \begin{matrix} X_{r, max} & X_{g, max} & X_{b, max} \\ Y_{r, max} & Y_{g, max} & Y_{b, max} \\ Z_{r, max} & Z_{g, max} & Z_{b, max} \end{matrix} \right] \left[ \begin{matrix} R \\ G \\ B \end{matrix} \right]
 \end{aligned}$$

Fig. 4      M → Fig. 5

$$\begin{bmatrix} X \\ Y \\ Z \end{bmatrix} = M_1 \cdot \begin{bmatrix} R \\ G \\ B \end{bmatrix}$$

Video Display D

*Fig. 6*

$$\begin{bmatrix} X \\ Y \\ Z \end{bmatrix} = M_2 \cdot \begin{bmatrix} R' \\ G' \\ B' \end{bmatrix}$$

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*Fig. 7*

$$\begin{bmatrix} R' \\ G' \\ B' \end{bmatrix} = M_2^{-1} \cdot M_1 \cdot \begin{bmatrix} R \\ G \\ B \end{bmatrix}$$

*Fig. 8*

- Prior Art -

$$M = \begin{bmatrix} s_r x_r & s_g x_g & s_b x_b \\ s_r y_r & s_g y_g & s_b y_b \\ s_r z_r & s_g z_g & s_b z_b \end{bmatrix}$$

*Fig. 9*

$$\begin{bmatrix} s_r \\ s_g \\ s_b \end{bmatrix} = \begin{bmatrix} x_w \\ y_w \\ z_w \end{bmatrix} \begin{bmatrix} x_r & x_g & x_b \\ y_r & y_g & y_b \\ z_r & z_g & z_b \end{bmatrix}^{-1}$$

-- Prior Art --

*Fig. 10*

$$\begin{bmatrix} s_r \\ s_g \\ s_b \end{bmatrix} \begin{bmatrix} x_r & x_g & x_b \\ y_r & y_g & y_b \\ z_r & z_g & z_b \end{bmatrix} = \begin{bmatrix} x_w \\ y_w \\ z_w \end{bmatrix}$$

- Prior Art -

*Fig. 11*

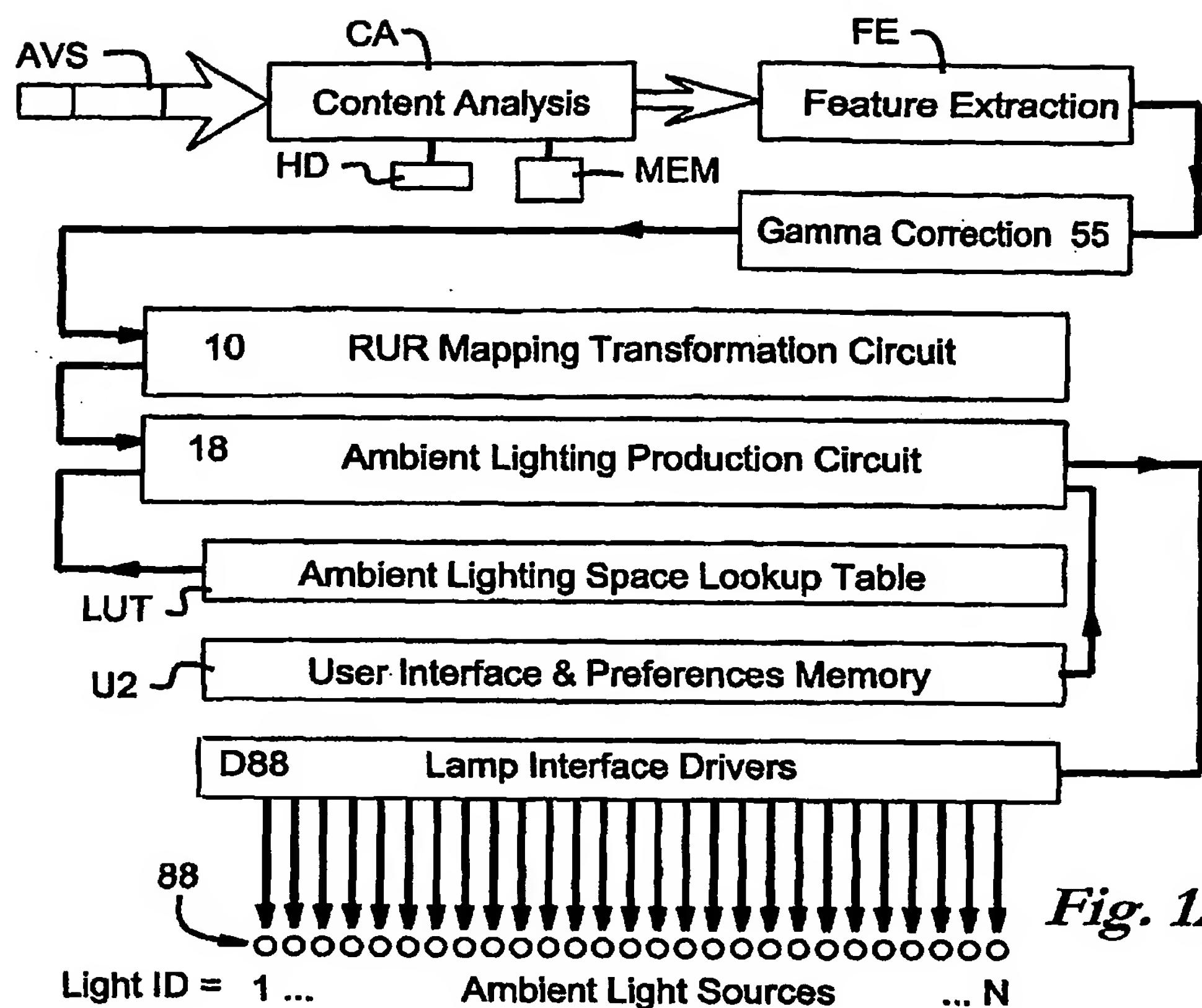


Fig. 12

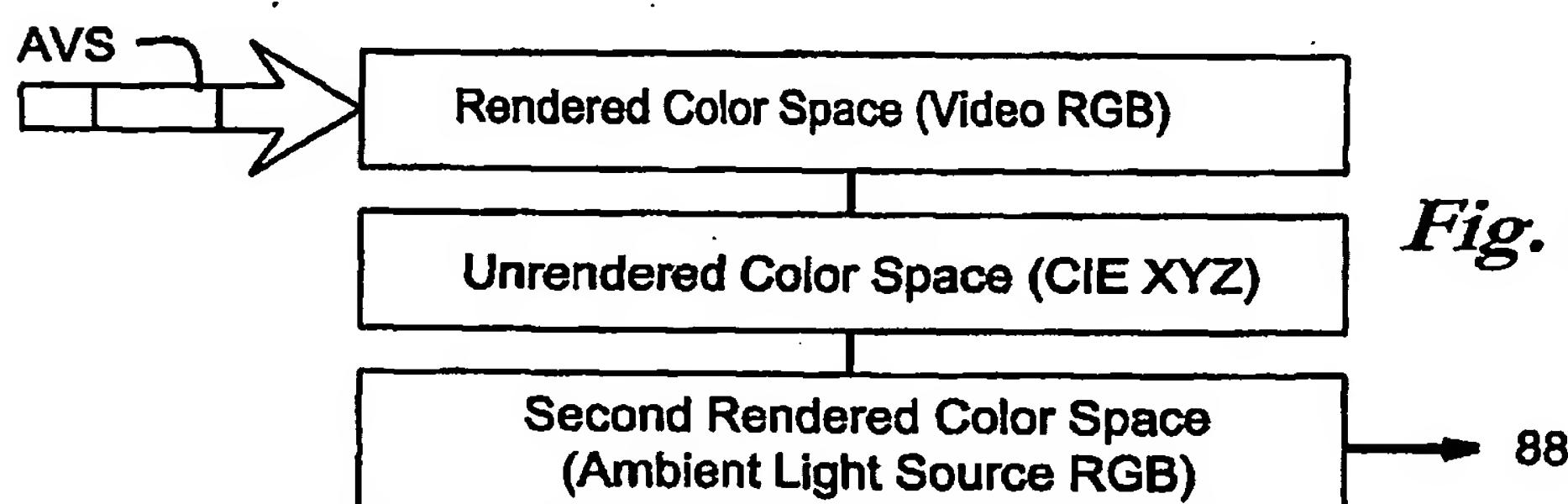
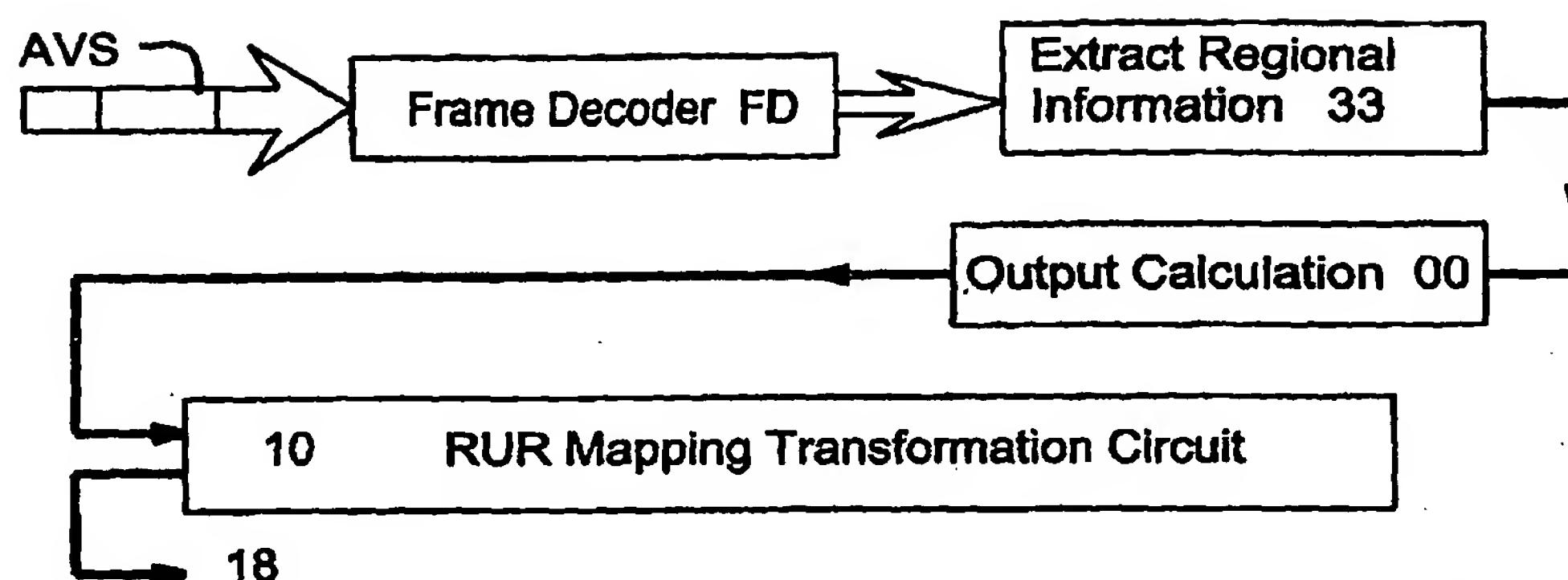
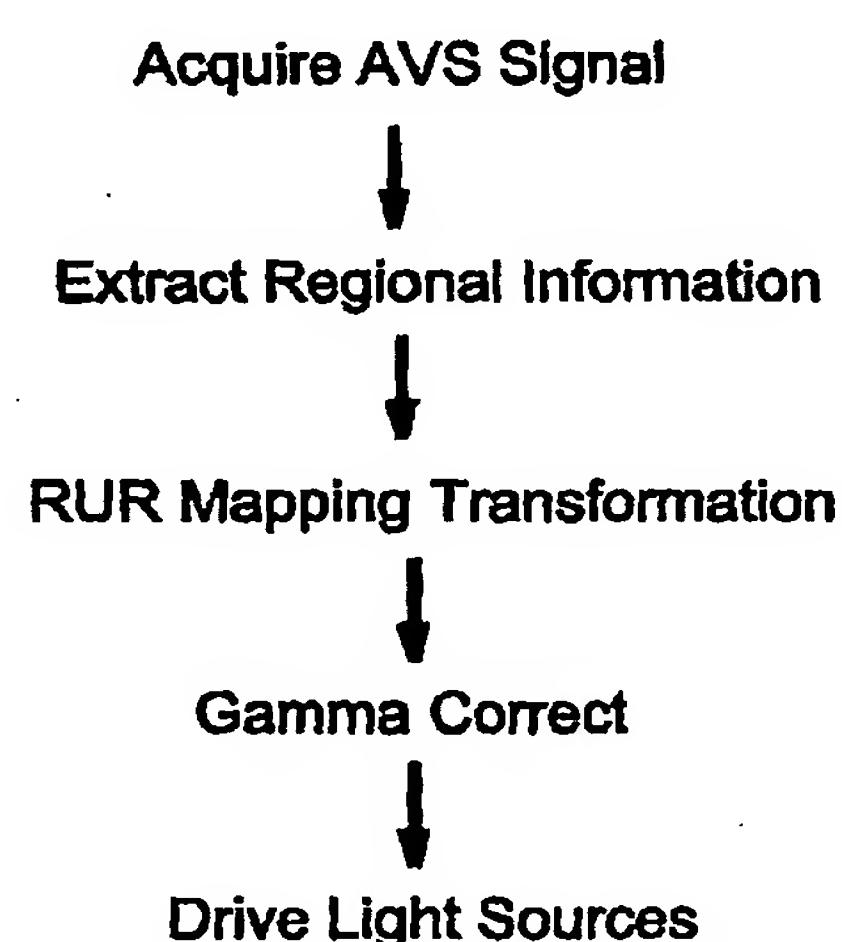


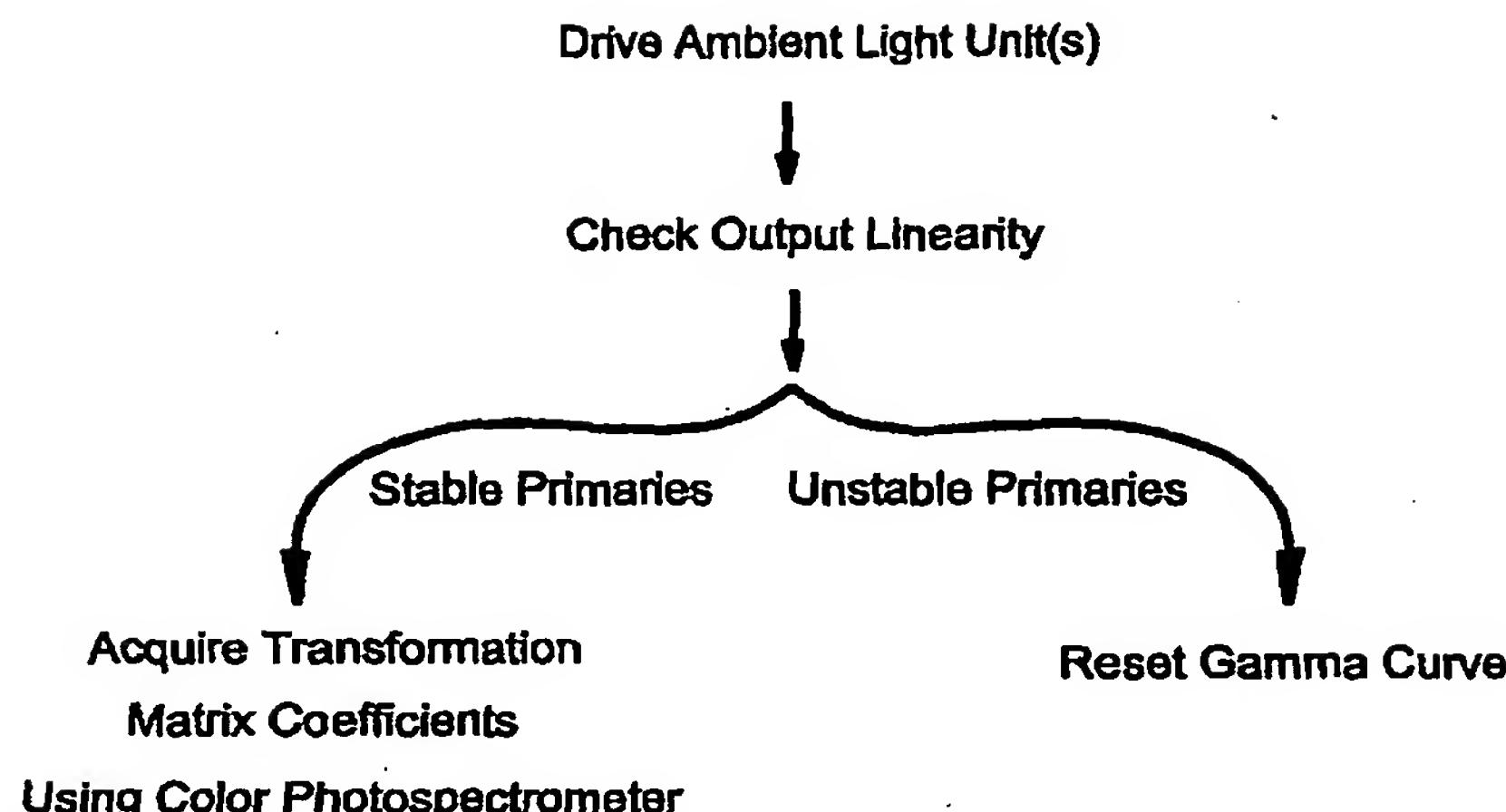
Fig. 13



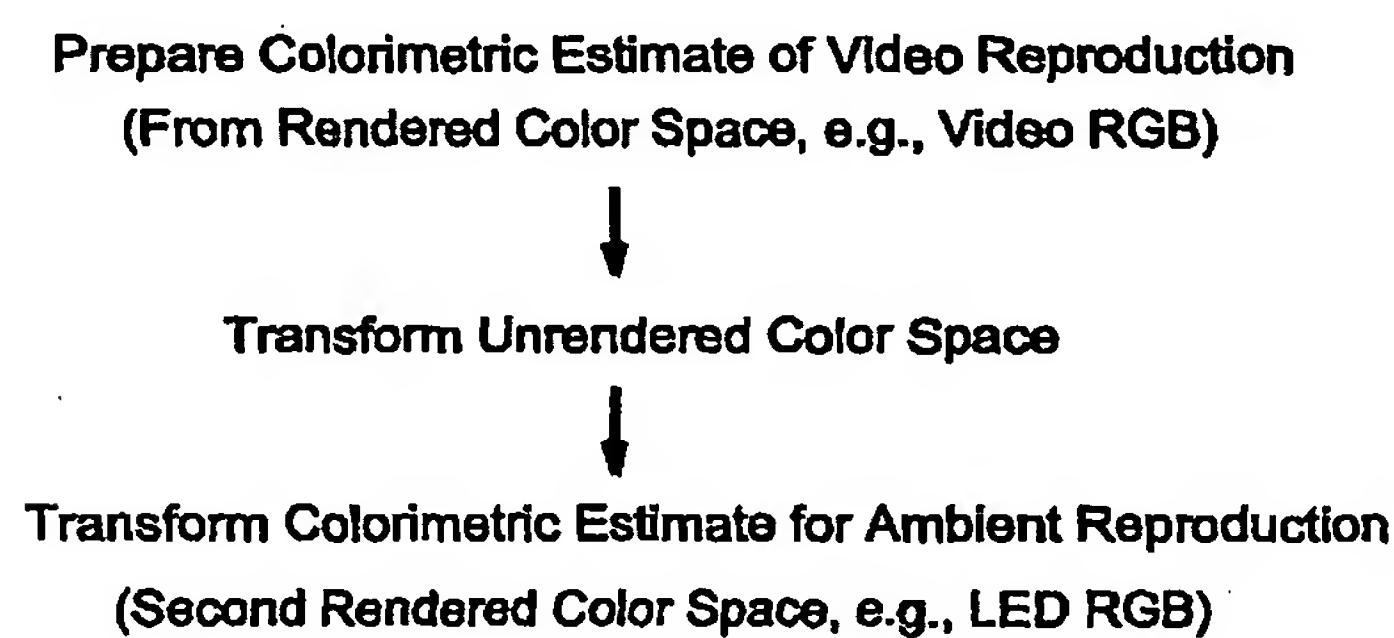
*Fig. 14*



*Fig. 15*



*Fig. 16*



*Fig. 17*